

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International publication date

21 May 2004 (21.05.2004)

PCT

(10) International publication number

WO 2004/042334 A1

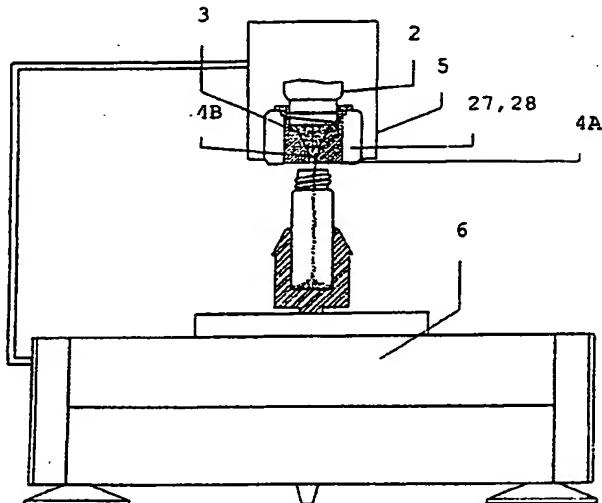
(51) International patent classification<sup>7</sup>: G01G 13/02, 13/24  
(21) International application number: PCT/FR2003/003253  
(22) International filing date: 31 October 2003 (31.10.2003)  
(25) Language of filing: French  
(26) Language of publication: French  
(30) Data relating to the priority:  
02/13,676 31 October 2002 (31.10.2003) FR  
(71) Applicant (for all designated States except US): METTLER-TOLEDO FLEXILAB SAS [FR/FR]; 47, allée du Clos des Charmes, F-7709 Collegien (FR).  
(72) Inventors; and  
(75) Inventors/Applicants (US only): FONTAINE, Ivan-William [FR/FR]; 10, rue Nouvelle, F-94130 Nogent-sur-Marne (FR). HERBELIN, Patrick [FR/FR]; 24, rue Pasteur, F-77515 Pommeuse (FR).  
(74) Representative: TOUATI, Catherine etc.; Cabinet Plasseraud, 84, rue d'Amsterdam, F-75440 Paris Cedex 09 (FR).  
(81) Designated states (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

*[continued on next page]*

As printed

(54) Title: APPARATUS FOR ACCURATE POWDER METERING

(54) Titre : APPAREIL POUR LE DOSAGE DE PRECISION DE POUDRE



WO 2004/042334 A1

(57) Abstract: The invention concerns an apparatus (1) for accurate powder metering comprising: a container (2) of powder (3), including an adjustable opening (4A, 4B) through which the powder (3) is dispensed, said opening (4A, 4B) communicating directly with the container (2); means for adjusting (5) said opening (4A, 4B); means for controlling (6) the amount of powder (3) dispensed, in relation with said adjusting means, and means for vibrating and/or tapping (28) the container (2).

(57) Abrégé : L'invention concerne un appareil (1) pour le dosage de précision de poudre comprenant : un conteneur (2) de poudre (3), comprenant une ouverture réglable (4A, 4B) par laquelle la poudre (3) est distribuée, ladite ouverture (4A, 4B) étant en communication directe

*[continued on next page]*